

WHAT IS CLAIMED IS:

1. A radio switching system, comprising:

a mobile subscriber;

5 a base station controller for controlling a transmission and reception of a signal from the mobile subscriber within its own cell;

a mobile switching center connecting with a plurality of the base station controllers; and

10 a home location register for storing home zone information whether or not the mobile subscriber is a subscriber of home zone services, wherein

the mobile switching center judges to a position registration request inside/outside a home zone by the mobile
15 subscriber whether or not the registration is accepted, based on the home zone information transmitted from the home location register.

2. The radio switching system according to claim 1, wherein

20 each time a radio area is changed by a hand-over, etc. of the mobile subscriber, based on the home zone information, the radio switching system further performs a processing in response to registration conditions inside/outside the home zone of the mobile subscriber.

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3. The radio switching system according to claim 2, wherein the registration conditions inside/outside the mobile

subscriber are a service condition and the number of times of allowable hand-over.

4. The radio switching system according to claim 2, further
5 comprising a plurality of the mobile switching centers, wherein
when the change of the radio area by the hand-over of the mobile
subscriber strides over the plurality of mobile switching
centers, the home zone information is added to existent
hand-over messages, and is transmitted and received between the
10 plurality of mobile switching centers.

5. The radio switching system according to claim 1, wherein
the mobile switching center collects a history in the
hand-over during speaking by a telephone as accounting
15 information.

6. The radio switching system according to claim 5, wherein
the history in the hand-over is the number of times of
hand-over, positions of an ex-address and new address, or cell
20 information.

7. The radio switching system according to claim 1, wherein
the mobile switching center restricts additional
services in addition to transmission or reception services of
25 the mobile subscriber.

8. The radio switching system according to claim 1,

comprising means for notifying the mobile subscriber of the point of time when an access by the mobile subscriber is caused and a fact that the subscriber is inside or outside the home zone during speaking by the telephone.

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9. The radio switching system according to claim 1, wherein the means for notifying the mobile subscriber sends audible information or text information.

10 10. The radio switching system, comprising:
a mobile subscriber;
a base station controller for controlling a transmission and reception of a signal of the mobile subscriber within its own cell;

15 a mobile switching center connecting with a plurality of the base station controllers; and
a home location register for storing home zone information whether or not the mobile subscriber is a subscriber of home zone services, wherein

20 a location registration area where, after the mobile subscriber subscribed in the home zone services makes a service subscription request in the mobile switching center, a location registration is first performed, or a location registration area until, in the case where the mobile switching center
25 desires to register a plurality of areas, the number of areas which are registered the positions reaches a predetermined number is established as a home zone.

11. A radio switching system, comprising:

a mobile subscriber;

5 a base station controller for controlling a transmission
and reception of a signal of the mobile subscriber within its
own cell;

a mobile switching center connecting with a plurality of
the base station controllers; and

10 a home location register for storing home zone
information whether or not the mobile subscriber is a subscriber
of home zone services, wherein

the mobile switching center has means for counting the
number of times of location registration of each area in which
the mobile subscriber subscribed in the home zone services
15 performed the location registration within a predetermined
period of time, and the location registration area where the
number of times of registration counted by the counting means
after the predetermined period of time is expired is high is
established as a home zone.

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12. A method of collecting accounting information in a mobile
switching center in a radio switching system, the method
comprising:

25 receiving from a switching center accounting information
which the switching center generates based on controlling a
hand-over; and

editing the accounting information based on account

conditions in accordance with the hand-over.

13. A method of claim 12, wherein the accounting information contains a subscriber identifier, and recognition information including one of the interior and exterior of a home zone
5 assigned to the subscriber identifier.

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